

# BMC Helix Innovation Studio 23.x: Fundamentals Developing Codeless Application

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Course Code: SPPT-ISDC-2330

**Modality**

Instructor-led Training (ILT)

**Duration**

3 Days

**Applicable Versions**

BMC Helix Innovation Studio 23.3

**Target Audience**

- System Administrators
- Developers
- Consultants

## Course Overview

BMC Helix Innovation Studio helps you to build your own applications with the help of different designer consoles, deploy them for the end users of these applications, and manage or configure them. BMC Helix Innovation Studio helps you establish data requirements, expose fields for your user interface, and implement complex powerful business processes. BMC Helix Innovation Studio is based on a Model View Controller pattern, which helps you to separate database tables, business logic, and user interface.

This course primarily focuses on explaining multiple consoles that help you achieve specific goals for codeless application development. It provides information about understanding what an application is, the difference between applications and libraries, application attributes, how to start with application development, and the recommended process for developing codeless applications. The attraction is you can develop an application without having to know or learn a programming language. This course will provide insights on the creation of Records, Views, Processes, Rules, Associations, and Named lists and how we can bundle them together. The learners will gain hands-on experience in designing and developing a complete codeless application and, further deploying the same. Also, details about access levels and permissions are explained.

This course is applicable primarily to Administrators and Developers.

## Learning Objectives

- Access BMC Helix Innovation Studio
- Navigate through multiple consoles of BMC Helix Innovation Studio
- Explain the process of Codeless application development
- Use Innovation Studio to build a fully functional codeless application
- Explore the consoles and designers involved in codeless application development
- Define Records, Views, Processes and Rules
- Define Named Lists and Associations
- Design Application Shell
- Discuss permissions, Roles and Security labels
- Explain the process of application deployment
- Create export packages for installation and update of application
- Explain the process to leverage the BMC Helix ITSM Foundation data

## Course Modules

### Module 1: Introduction to BMC Helix Innovation Studio

- BMC Helix Innovation Suite overview
- BMC Helix Innovation Suite architecture
- Common Foundation data for BMC Helix ITSM applications and BMC Helix Innovation Studio applications
- Digital Service Applications Overview,
- Distinguish between Codeless and Code-based applications

### Module 2: Accessing and Navigating BMC Helix Innovation Studio

- Access BMC Helix Innovation Studio
- User Interface elements
- Designer tabs
- Codeless applications overview
- Steps for creating a codeless application bundle

### Module 3: Defining the Project Record Definition

- Concepts related to record definitions and record fields
- Record Definition types
- Record designer
- Steps to create and update a record definition
- Define the scope of the Record definition
- Record associations and Named Lists
- Steps to create a named list and associate it with a record definition

### Module 4: Defining Views for the Project Record Definition

- View designer
- Steps to create a view
- Copy and modify views
- Various View Designer components Container, Record Grid, Record Editor, Action Button, Button Bar, and Tab Panel

### Module 5: Defining Roles, Permissions and Security Labels

- Create Application roles
- Define Functional roles
- Assign permissions to Record definition and Record fields
- Define Security label
- Apply Security label
- Change customization layer

### Module 6: Defining Feature Record and Related Views

- Record Auditing, Indexing and Archiving
- Record Inheritance
- Create Associations
- Design views with Tabbed panel

- Cell Styling options for Record Grid
- Filter Presets
- Use View preset selector component

ABSTRACT

### Module 7: Defining Join Records and Custom Records

- Explain Join Records
- Create a Join Record
- Explain Custom Records
- Create a Custom Record

### Module 8: Defining and Managing Task Records


- Share data with inheritors
- Define Processes
- Customizing Presets
- Build Application Shell
- Use Gateways and Sub-processes

### Module 9: Configuring And Managing Approvals

- Approval Process configuration
- Discuss Approval notifications
- Define a Process for Approvals
- Create a Rule to trigger Approval Process

### Module 10: Deploying Codeless Applications

- Explain types of deployment packages
- Create an install package
- Create an update package

Discount Options 

Have multiple students? Contact us to discuss hosting a private class for your organization.

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